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TO: Commissioner for Patents: Art Unit 2829: Examiner Evan T. Pert

FAX NO.: (703) 872-9306

FROM: D. Benjamin Borson, Ph.D.

RE: Application No: 10/056,536: REPLY to Office Action

DATE: June 13, 2005 Total Pages : 15

Original will follow by mail: No

If you do not receive all of the pages, please call Ben Borson at 415.362.3800.

Please find

- * Transmittal Letter
- * REPLY to Office Action
- * Petition for Extension of Time
- * Authorization to use Deposit Account 06-1325
- * Certificate of Facsimile Transmission

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application

Inventor(s): Grigorov, et al.

Appl. No.: 10/056,536

Confirm. No.: 6040

Filed: January 22, 2002

Title: QUANTUM DEVICES BASED ON
CRYSTALLIZED ELECTRON PAIRS AND
METHODS FOR THEIR MANUFACTURE AND
USEPATENT APPLICATION

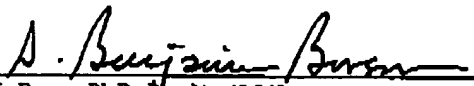
Art Unit: 2829

Examiner: Evan T. Pert

Customer No. 23910

CERTIFICATE OF FACSIMILE TRANSMISSION UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being transmitted by facsimile to the Commissioner for Patents, the United States Patent and Trademark Office Examining Group 2829 Facsimile No. (703) 872-9306, on June 13, 2005. Total number of pages transmitted 15.

 (Attorney Signature)
D. Benjamin Borson, Ph.D., Reg. No. 42,349
Signature Date: June 13, 2005

REPLY TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted with this communication in connection with the above-identified application are the following:

- X A Reply under 37 C.F.R. §1.111 to the Office Action dated December 13, 2004.
- A Reply under 37 C.F.R. §1.116 to the Office Action dated .
- X A Petition for an Extension of Time under 37 C.F.R. §1.136.
- X Applicant(s) qualify for small entity status under 37 C.F.R. §1.27.
- An Information Disclosure Statement pursuant to 37 C.F.R. §1.56.

The fee associated with this communication has been calculated as shown below:

- No fee is required with this communication.
- Small entity status of this application under 37 C.F.R. §1.9 and §1.27 has been established.
- X A fee for extension of time for response under 37 C.F.R. §1.136 filed within 3 month(s) after the original time for response of \$ 510 is due.
- A fee of \$ 180.00 is due for the submission of the accompanying Information Disclosure Statement.
- A fee for addition of claims under 37 C.F.R. §1.16 is due as follows:

FEES	Claims Remaining After Amendment	Highest Number Previously Paid For	Present Extra	Rate Small Entity/Other Than Small Entity	Total
TOTAL CLAIMS (37 CFR 1.16(c))	<u>20</u> * -	<u>20</u> **	<u>0</u>	X \$ 25.00 X \$ 50.00	\$ 0
INDEPENDENT CLAIMS (37 CFR 1.16(b))	<u>2</u> * -	<u>3</u> ***	<u>0</u>	X \$ 100.00 X \$ 200.00	\$ 0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIMS (37 CFR 1.16(d))				+ \$180.00 + \$360.00	\$ 0
				TOTAL	\$ 0

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number of Previously Paid For" in this space is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" in this space is less than 3, enter "3".

The total fee required with this communication is \$ 510 and is to be paid as follows:

- X Please charge Deposit Account No. 06-1325 in the amount of \$ 510.
- A check in the amount of \$ is enclosed.

✓

The Commissioner is hereby authorized to charge any deficiencies or credit overpayment to
Deposit Account No. 06-1325.

Respectfully submitted,

Date: June 13, 2005

By: *D. Benjamin Borson*
D. Benjamin Borson, Ph.D.
Reg. No. 42,349

Customer No. 23910
FLIESLER MEYER LLP
Four Embarcadero Center, Fourth Floor
San Francisco, California 94111-4156
Telephone: (415) 362-3800

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application

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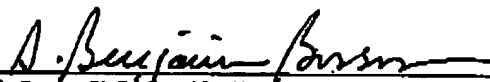
Art Unit: 2829

Examiner: Evan T. Pert

Customer No. 23910

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I hereby certify that this correspondence is being transmitted by facsimile to the Commissioner for Patents, the United States Patent and Trademark Office Examining Group 2829 Facsimile No. (703) 872-9306, on June 13, 2005. Total number of pages transmitted 15.

 (Attorney Signature)
D. Benjamin Borson, Ph.D., Reg. No. 42,349
Signature Date: June 13, 2005

PETITION FOR EXTENSION OF TIME UNDER 37 C.F.R. § 1.136

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In the Office Action dated December 13, 2005, a shortened period for reply was set to expire on March 13, 2005.

Pursuant to 37 C.F.R. § 1.136(a), Applicant(s) hereby petition(s) the Commissioner for an extension of time for replying to the Office Action up to and including June 13, 2005.

X Applicant(s) hereby claim small entity status under 37 C.F.R. § 1.27.

- 1 -

Attorney Docket No.: QPTC 1004 US0
dbb/QPTC/1004.116.wpd

203.001:010204
06/13/05-09:05

The amount of the petition fee set by 37 C.F.R. §1.17 is determined as follows:

Fee (Large Entity/Small Entity)	Extended Month
_____ \$ 120.00/\$ 60.00	First
_____ \$ 450.00/\$225.00	Second
<u> X </u> \$1,020.00/\$510.00	Third
_____ \$1,590.00/\$795.00	Fourth
_____ \$2,160.00/\$1,080.00	Fifth

TOTAL PETITION FEE \$ 510

The TOTAL PETITION FEE is included with the payment of other papers filed together with this petition.

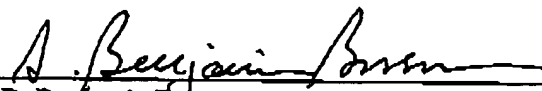
The other papers enclosed or associated with this communication include:

- _____ A reply to the Office Action was previously filed on _____.
- X A reply to the Office Action is filed herewith.
- _____ A reply will be filed subsequently.
- _____ A continuation application is filed herewith.
- _____ A divisional application is filed herewith.
- _____ A continuation-in-part application is filed herewith.
- _____ A continued prosecution application is filed herewith.
- _____ A Request for Continued Examination is filed herewith.
- _____ "Small Entity" status for this application has previously been established.
- X Other: Transmittal letter; Certificate of Facsimile Transmission; Authorization to Use Deposit Account 06-1325.

The Commissioner is hereby authorized to charge any deficiencies or credit overpayment to Deposit
Account No. 06-1325.

Respectfully submitted,

Date: June 13, 2005

By: 
D. Benjamin Berson, Ph.D.
Reg. No. 42,349

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